

CLAIMS

What is claimed is:

1       1. An apparatus that moves a jumping element,  
2 comprising:  
3       a housing;  
4       a motor attached to said housing;  
5       a hub coupled to said motor and adapted to be coupled  
6 to the jumping element;  
7       a timer coupled to said motor; and,  
8       an indicator coupled to said timer.

1       2. The apparatus of claim 1, wherein said indicator  
2 includes a light emitting diode.

1       3. The apparatus of claim 1, wherein said indicator  
2 includes a speaker.

1       4. The apparatus of claim 1, wherein said timer  
2 activates said motor for a selected time interval and said  
3 indicator indicates said selected time interval.

1       5. The apparatus of claim 1, wherein said indicator  
2 generates an indication of when said motor is to be  
3 activated.

1       6. The apparatus of claim 1, further comprising a  
2 crank arm that is coupled to said hub and the jumping  
3 element.

1       7. The apparatus of claim 6, wherein said hub  
2 includes a spring that exerts a force onto said crank arm.

1       8. The apparatus of claim 1, wherein said timer has  
2 a mechanical input.

1       9. The apparatus of claim 1, wherein said hub  
2 rotates the jumping element about a horizontal axis.

1       10. The apparatus of claim 1, wherein said hub  
2 rotates the jumping element about a vertical axis.

1       11. An apparatus that moves a jumping element,  
2 comprising:  
3       a housing;  
4       a motor attached to said housing;  
5       a hub coupled to said motor and adapted to be coupled  
6 to the jumping element;  
7       a timer that is coupled to said motor; and,  
8       indicator means for indicating a time characteristic  
9 of said timer.

1       12. The apparatus of claim 11, wherein said  
2 indicator means includes a light emitting diode.

1       13. The apparatus of claim 11, wherein said  
2 indicator means includes a speaker.

1       14. The apparatus of claim 11, wherein said timer  
2 activates said motor for a selected time interval and said  
3 indicator characteristic is said time interval.

1       15. The apparatus of claim 11, wherein said  
2 indicator means generates an indication of when said motor  
3 is to be activated.

1       16. The apparatus of claim 11, further comprising a  
2 crank arm that is coupled to said hub and the jumping  
3 element.

1       17. The apparatus of claim 16, wherein said hub  
2 includes a spring that exerts a force onto said crank arm.

1       18. The apparatus of claim 11, wherein said timer  
2 has a mechanical input.

1       19. The apparatus of claim 11, wherein said hub  
2 rotates the jumping element about a horizontal axis.

1       20. The apparatus of claim 11, wherein said hub  
2 rotates the jumping element about a vertical axis.

1       21. A method for operating an apparatus that moves a  
2 jumping element, comprising:

3           activating an apparatus that includes a motor coupled  
4 to a jumping element;

5           indicating a count down until the motor is activated;  
6 and,

7           activating the motor to move the jumping element.

1       22. The method of claim 21, wherein the motor is  
2 deactivated at an end of a selected time interval.

1       23. The method of claim 21, wherein the indication  
2 is an auditory signal.

1       24. The method of claim 21, wherein the jumping  
2 element is rotated about a horizontal axis.

1       25. The method of claim 21, wherein the jumping  
2 element is rotated about a vertical axis.

1       26. The method of claim 21, further comprising  
2       detaching the jumping element from a hub coupled to the  
3       motor.

1       27. A method for operating an apparatus that moves a  
2       jumping element, comprising:

3           selecting a time interval of a timer that is coupled  
4       to a motor, the motor being coupled to the jumping  
5       element;

6           indicating the time interval selected;

7           activating the motor to move the jumping element;  
8       and,

9           deactivating the motor at an end of the time  
10      interval.

1       28. The method of claim 27, wherein the indication  
2       is an illuminated device.

1       29. The method of claim 27, wherein the jumping  
2       element is rotated about a horizontal axis.

1       30. The method of claim 27, wherein the jumping  
2       element is rotated about a vertical axis.

1       31. The method of claim 27, further comprising  
2       detaching the jumping element from a hub coupled to the  
3       motor.